

INCREASING NETWORK EFFICIENCY
USING PACKET COMPRESSION AND DECOMPRESSION

ABSTRACT OF THE DISCLOSURE

A communication device for compressing packets includes a first interface, a grouping module and a second interface. The first interface receives packets from a group of media streams, the grouping module generates a group packet that includes a group identifier as well as the payloads of the packets, and the second interface communicates the group packet for receipt by a remote device. A communication device for decompressing packets includes a memory, an interface, and a processor. The memory stores state information for a group of media streams, the interface receives a group packet carrying payloads from the media streams, and the processor reconstructs the headers of the packets using the state information.